Datasheet for ABIN7505118

IL-22 Protein (AA 29-109) (His-Avi Tag)

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Overview

Quantity:	100 µg
Target:	IL-22 (IL22)
Protein Characteristics:	AA 29-109
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-22 protein is labelled with His-Avi Tag.

Product Details

Sequence:	Gln 29-Asp 109
Characteristics:	A DNA sequence encoding the Human IL22 N terminal protein (Q9GZX6) (Gln 29-Asp 109) was expressed with a C-Avi-His tag.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	IL-22 (IL22)
Alternative Name:	IL22 (IL22 Products)
Background:	Abbreviation: IL22 N terminal Target Synonym: Interleukin-22,IL-22,Cytokine Zcyto18,IL-10-related T-cell-derived-inducible factor,IL-TIF,IL22,IL-D110,IL-TIF,ILTIF,TIFa,TIFIL-23,zcyto18 Background: Interleukin-22(IL-22) is a member of a group of the IL-10 family, a class of potent

Target Details

	mediators of cellular inflammatory responses. IL-22 is produced by activated DC and T cells. IL-22 and IL-10 receptor chains play a role in cellular targeting and signal transduction. It can initiate and regulate innate immune responses against bacterial pathogens especially in epithelial cells such as respiratory and gut epithelial cells. IL-22 along with IL-17 likely plays a role in the coordinated response of both adaptive and innate immune systems. IL-22 also promotes hepatocyte survival in the liver and epithelial cells in the lung and gut similar to IL-10. Biological activity of IL-22 is initiated by binding to a cell-surface complex consisting of IL-22R1 and IL-10R2 receptor chains. IL-22 biological activity is further regulated by interactions with a soluble binding protein, IL-22BP. IL-22BP and an extracellular region of IL-22R1 share sequence similarity. In some cases, the pro-inflammatory versus tissue-protective functions of IL-22 are regulated by cytokine IL-17A.
Molecular Weight:	Calculated MW: 8.8 kDa Observed MW: 15 kDa
UniProt:	Q9GZX6

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	12 months